

EXPRESS MAIL LABEL NO.: [REDACTED]

December 29, 2004

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER: Ace Case 11

U.S. APPLICATION NO.

Confirmation No.: Unknown

(If known, see 37 CFR 1.5): 10/509 903

INTERNATIONAL APPLICATION NO.: PCT/JP02/03921 INTERNATIONAL FILING DATE: April 19, 2002

PRIORITY DATE CLAIMED: April 19, 2002

TITLE OF INVENTION: STEADY-STATE DETONATION COMBUSTOR AND  
STEADY-STATE DETONATION WAVE GENERATING METHOD

APPLICANT FOR DO/EO/US: Jiro KASAHARA

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Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not transmitted by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:  
Postal Card

21. [ ] The following fees are submitted:

Calculations PTO USE ONLY

**BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):**

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1110.00  
International preliminary examination fee (37CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$ 950.00  
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$ 790.00  
International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$ 750.00  
International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)..... \$ 100.00  
**ENTER APPROPRIATE BASIC FEE AMOUNT = \$**

Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). \$

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	- 20 =		X \$ 18.00	\$
Ind. claims	- 3 =		X \$ 88.00	\$
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$300.00	\$
<b>TOTAL OF ABOVE CALCULATIONS</b>				<b>= \$</b>

[ ] Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. - \$  
**SUBTOTAL = \$**

Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). + \$  
**TOTAL NATIONAL FEE = \$**

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$  
**TOTAL FEES ENCLOSED = \$**


**Amount to be refunded: \$**  
**charged: \$**

- a. [ ] A check in the amount of \$ to cover the above fees is enclosed.  
b. [ ] Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.  
c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1382. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

IN DUPLICATE

**PLEASE DIRECT CORRESPONDENCE TO THE ADDRESS  
ASSOCIATED WITH THE FOLLOWING CUSTOMER  
NUMBER: 23474**

  
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Applicant : Jiro KASAHARA  
 For : STEADY-STATE DETONATION COMBUSTOR AND  
 STEADY-STATE DETONATION WAVE GENERATING METHOD  
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 (if known, see 37 CFR 1.5): 10/509 903  
 Confirmation No.: Unknown  
 Atty. Docket No.: Ace Case 11

Mail Stop PCT  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

# **FIRST CLASS MAILING CERTIFICATE**

Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service under 37 CFR 1.8 as first class mail in an envelope addressed to:  
 Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on November 29, 2004.

  
 Terryence F. Chapman

TFC/smd

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Correspondence: Form PTO-1390 dated November 29, 2004  
 including enclosures listed thereon

390.05/03